

10/542635



Susan J. Mack
T (202) 663-7943
smack@sughrue.com

JC18 Rec'd PCT/PTO 19 JUL 2005

2100 Pennsylvania Avenue, NW
Washington, DC 20037-3213

T 202.293.7060
F 202.293.7860

401 Castan Street
Mountain View, CA 94041-2007

T 650.625.8100
F 650.625.8110

AIG Bldg. 14F
1-1-3 Marunouchi
Chiyoda-ku Tokyo 100-0005
Japan

T 03.5220.0200
F 03.5220.0222

www.sughrue.com

July 19, 2005

MAIL STOP PCT

Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

PCT/JP2004/000817
-filed January 29, 2004

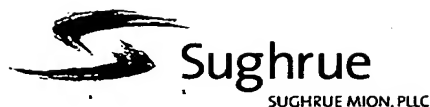
Re: Application of Kazuya TAKENOUCHI and Kenji MANABE
CRYSTAL OF (23S)-1 α -HYDROXY-27-NOR-25-METHYLENEVITAMIN
D₃-26,23-LACTONE AND PROCESS FOR PRODUCTION THEREOF
Assignee: **TEIJIN PHARMA LIMITED**
Our Ref: Q89072

Dear Sir:

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- ☒ a copy of the executed Declaration and Power of Attorney.
- ☒ an English translation of the International Application.
- ☒ a copy of the executed Assignment and PTO 1595 form.
- ☒ a Submission of the International Search Report
- ☒ a copy of the ISR.
- ☒ a PTO/SB/08 A & B (modified) listing the ISR/IPER references.
- ☒ a Preliminary Amendment.
- ☒ it is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f)

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.



U.S. National Stage of
PCT/JP2004/000817
-filed January 29, 2004

Q89072

The Government filing fee is calculated as follows:

Total claims	<u>18</u>	-	<u>20</u>	=	<u> </u>	x	\$50.00	=	<u>\$0.00</u>
Independent claims	<u>3</u>	-	<u>3</u>	=	<u> </u>	x	\$200.00	=	<u>\$0.00</u>
Base Fee									<u>\$300.00</u>
Search Fee*									<u>\$400.00</u>
Examination Fee*									<u>\$200.00</u>
Multiple Dependent Claim Fee									<u>\$360.00</u>
TOTAL FILING FEE									<u>\$1260.00</u>
Recordation of Assignment									<u>\$ 40.00</u>
<u>TOTAL FEE</u>									<u>\$1300.00</u>

* The international search fee for all claims was not paid to the USPTO, as the ISA, but the ISR is being submitted herewith.

Checks for the statutory filing fee of \$1260.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2003-023365	January 31, 2003

Respectfully submitted,

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE
23373
CUSTOMER NUMBER


Susan J. Mack
Registration No. 30,951

Date: July 19, 2005

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q89072

Kazuya TAKENOUCHI, *et al.*

U.S. National Stage of
PCT/JP2004/000817
-filed January 29, 2004

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: July 19, 2005

Examiner: Not Yet Assigned

For: CRYSTAL OF (23S)- 1 α - HYDROXY-27-NOR-25-METHYLENEVITAMIN D₃-
26,23-LACTONE AND PROCESS FOR PRODUCTION THEREOF

SUBMISSION OF INTERNATIONAL SEARCH REPORT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith is a copy of the International Search Report received in the International Application corresponding to the above U.S. Application and a PTO/SB/08 A&B (modified) listing the references cited in the Report. Upon issuing the Report, the International Bureau should send a copy of the Report and the cited references to the United States Patent and Trademark Office. However, if the Examiner would like us to obtain and file copies of the references with the USPTO, please contact the office of the undersigned attorney. The Examiner is respectfully requested to acknowledge receipt of the International Search Report.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise

Submission of International Search Report
PCT/JP2004/000817
-filed January 29, 2004


Q89072

remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860


Susan J. Mack
Registration No. 30,951

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: July 19, 2005